MONITEX

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WhitenMAX BR800

Professional teeth whitening unit

User Manual

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Preface:

1. Thank you for choosing Monitex Product for your advance integration. Prior to using Monitex WhitenMAX BR800 Professional Whitening Unit, please read this User Manual carefully and keep this manual well preserved for future reference.

2. Please contact your local dealer if any damage or problem occurs. Attempt to try and repair this unit by unauthorized technician personnel WILL automatically lead to the forfeit and negation of the warranty agreement.

3. The specification are subject to change and revision without prior notice.

Disclaimer:

1. Monitex shall not assume any responsibility if any malfunction or damage was caused by improper operation, removal, modification or maintenance.

2. We shall not assume any responsibility if any malfunction or damage was caused by operating under unsuited environment.

3. We shall not assume any responsibility if any malfunction or damage was caused by forceful majeure.

4. We reserve the right to explain for the given cause of the Defective products which might have been caused by natural disasters or abnormal temperature, humidity that is inconcurrent to the guidance instructed in this manual.

Safety Precaution:

Please follow instruction steps in this manual for correct and safe operations of the device. Pay more attention to the following four warning signs beside the operation descriptions where applicable:

Danger – This message appears where the operation may potentially cause severe injury if instruction not followed correctly.

Warning – This message appears where the operation may cause serious damage or defect to other objects.

Caution – This message appears where the operation may cause slight damage to other objects or slight bodily harm if operation not properly conducted.

Important – This message appears where the operation may involve risk of defecting the device itself if not properly conducted.

Transport and storage Environment conditions:
Temperature: -20℃ to 65℃ (-4℉ to 149℉)
Humidity: 15-90%, non-condensing

Maintenance:

If there is any dirt or stains on the surface of control panel, metal parts, or mouth piece, please use dried cloth with Medical-use Alcohol to gently wipe clean. If there is a hard stain then please use a neutral cleaning agent for removal.

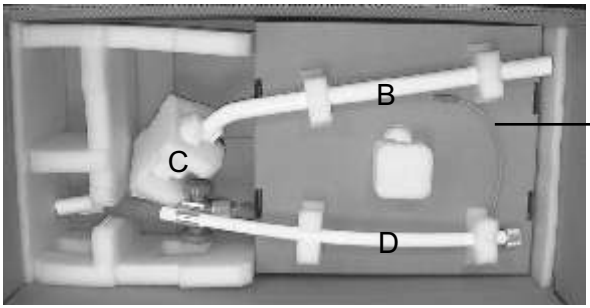
Important: Never use a solvent or volatile oil for cleaning. This can lead to fading in the paint, or display board.

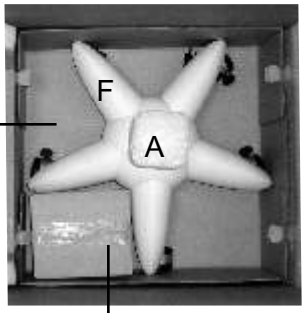
Special Symbols:

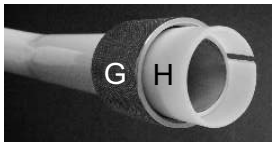
Symbol	Explanation
	Type B applied part
	Attention, consult ACCOMPANYING DOCUMENTS
	Signifies the device has met all essential requirements of European Medical Device Directive 93/42/EEC.
	Symbol used to indicate the polarity of the DC power input.
	Direct Current
	Recycle

Product Parts:

Packaging:







A - Pentagular Mobile Cart
B - N shape Iron Stand
C - Operating Panel
D - Rotating Arm
E - Light Unit and Mouth Piece
F - Localized Plug Adaptor (Europe Plug built-in and us plug on option, please see page 9)
G - Iron Rim
H - Plastic Washer Rim
I - Protective Glasses

Assembly & Dis-assembly:

Caution: Please always space the site for your precaution before executing your installation as some of the iron-made parts can be damaged of its paint,or damaging to other equipment if it's handled improperly.

A. Pentagular Mobile Cart:

Place Mobile Cart in an open space for preparation of assembly.

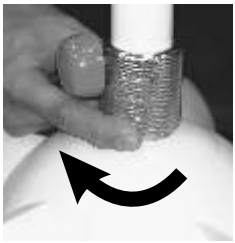
B. Assembly of N-shape Iron Stand & Pentagular Mobile Cart:

> Take out the N-Shape Iron Stand for preparation of installing onto the Pentagular Mobile Cart.

> Place the Iron Rim onto the bottom of the N-Shape Iron Stand.

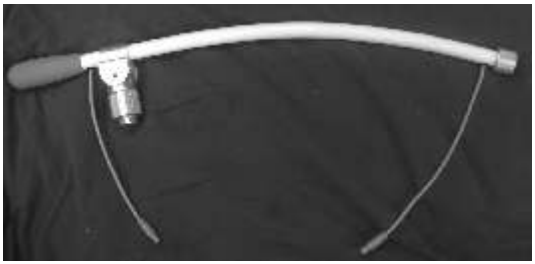
> Place the Plastic Washer Rim inside the rim for secure purpose.

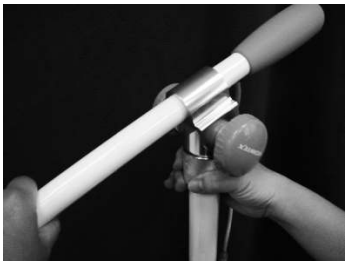
> Pull out the plug from inside the N- shape Iron Stand and connect the plug onto the jack pre-installed inside the Pentagular Mobile Cart.



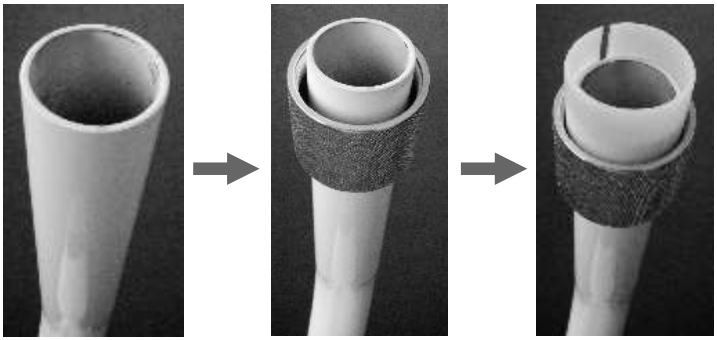
C. Assembly of N-Shape Iron Stand & the Rotating Arm:

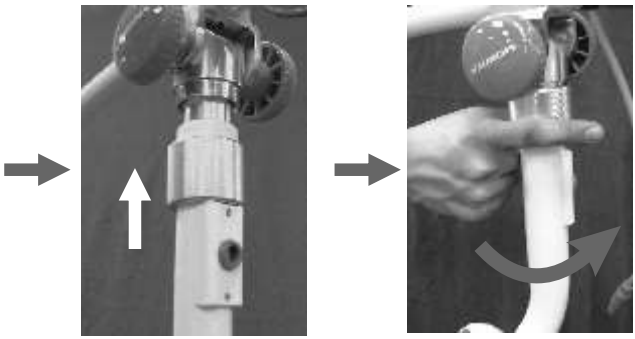
> Place the Rotating Arm in the open area for preparing installation.



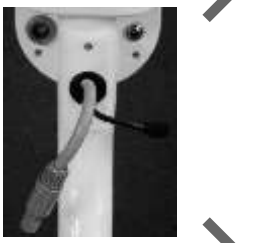


> Please repeat the procedure stated previously by inserting the Silver Iron Rim and the Plastic Washer Rim onto the top of the N-Shape Iron Stand to receive clockwise turning for secure screw-lock.





>Plug-in the Power Cable and the Connecting cable between Light Unit and the Display Panel check and make sure all connection fixed well!



Plug in the Power Cable to the Display Panel.

Plug in Connecting Cable between Light Unit & the Display Panel.

> Plug-in the extended Connecting Cable from the Rotating Arm to the extended plug located in the top of the N-Shape Iron Stand to complete the connection between the Display Panel & the Light Unit.

D. Assembly of the Rotating Arm & the Light Unit:

> Please prepare the Light Unit with protect Mouth Piece for installation.

> Make sure the Mouth Piece is properly placed onto the Light Unit.

Caution: Please make sure always to disinfect the Light Unit and Mouth Piece with medical-use alcohol before carrying any operation.

> Follow the instruction illustrated below by placing the Iron Rim and the Plastic Washer Rim to secure the light unit onto the Rotating Arm.

> Turn the Iron Rim by clockwise to fix the support of Light Unit.

Important: Please make sure to position the Light Unit tightly & securely to prevent Light Unit from falling off or cause unnecessary damage.

Plug-in:

Make sure to plug in the Light Unit from the cable extended from the Rotating Arm:

WARNING : Beware of high temperature and strong light. Do not look directly into the light source if without using any eye protection.

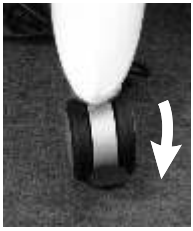
WARNING : Light unit is a heat generating source. The temperature might reach to 65°C for long term usage. Beware of high temperature.

Wheels:

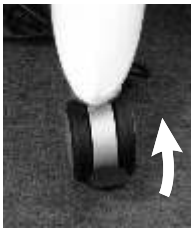
Congratulation! You have successfully assembled your BR-800 WhitenMAX LED Bleaching Light Unit.

Important:

There are 3 handle locks located in 3 of the 5 wheels under the Mobile Cart. After safely placing BR-800 to your appointed location or chair-side , please press down the handle locks to secure your unit and prevent BR-800 from mobility.

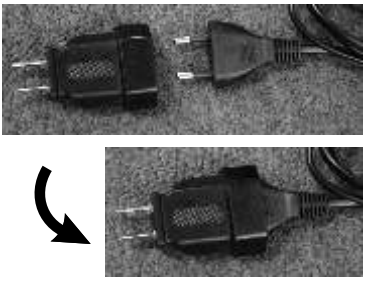


To set it free for mobile, simply unlock it by lifting the handle lock in accordance to the following picture!



Power Plug:

Each BR-800 is built-in with a 100 ~ 240V Power adaptor inside of the Pentagular Mobile Cart. The preset extension cord is European Plug.



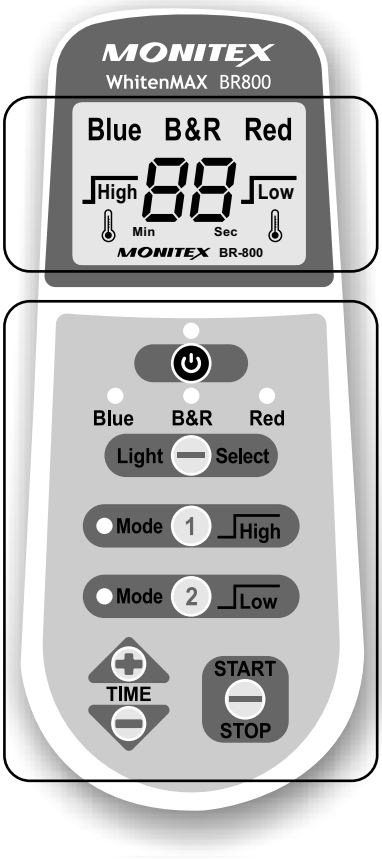
Additional power plug adaptor is available on request as optional accessories.

Please store the packaging materials safely for future use! Perchance if the unit is required to be disassembled for transportation or sent for repair, and it's requested to reverse carefully the above procedures and store the parts in the original packaging material for delivery and/or storage.

Operation:

Functional Introduction:

Please see below diagram and description for instruction of use.



Monitor

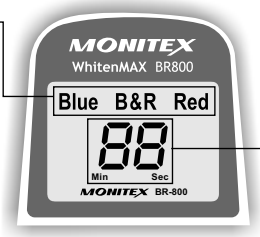
Control Panel

Danger:

Please do not look directly into the lights, nor acquiring the emitting light directly onto patient. Such action can cause a danger or harm to patients' eyes

Monitor:

◆ **Selection of Light Source**



◆ **Timer**

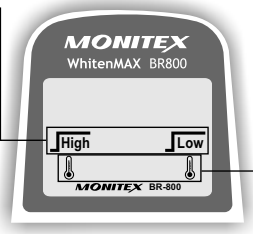
The timer first starts count down upon push “Start/Stop” button.

The “Min” indicate the number of minutes currently remain of.

The “Sec” indicate the last minute of count-down.

Pre-Set Time is 10 Minutes

◆ **Indication of your Mode Selection:**
High: Mode 1
Low: Mode 2



◆ **Over Heat Indicator:**
When the temperature reaches 40ºC, it automatically activate fan motor for heat dissipating .

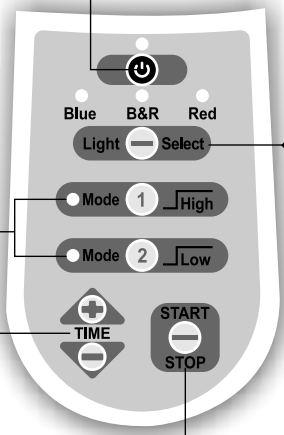
Important:

When the temperature reaches 70ºC, as our protection mechanism, the build-in Thermometers will start to blink on the drop while the unit ceases functioning till the temperature climb down.

Control Panel:

◆ **Power Button**
LED Dual Color Display:
Green: Standby Mode
Orange: Push the power button to enter Operation mode.

◆ **Mode 1 / Mode 2 :**
Two Flux Modes Illumination
Mode 1 (High):
100% Full Power Output
Mode 2 (Low):
70% Power Output



◆ **Light Source Selection:**
Blue emits Medical use LED Cool Blue light.
Red emits Red light to Accelerate the bleaching process.
B&R signifies Blue & Red Light turns on Simultaneously.

P.S. There are a total of 4 x 3W Blue Led bulb & 1 x 3W Red Led bulb built-in.

◆ **Ajustable Whitening Timer:**
TIME Adjustable:
up to 1~20 Minutes.
Adjusting interval:
1 minute per push.

◆ **Start & Stop Button**
One press START/STOP initiates the operation.The following press terminates the operation.

P.S. BR800 enters Stand by Mode when in idled for more than 1 minute.

Trouble Shooting & FAQ:

1. LED malfunctions:

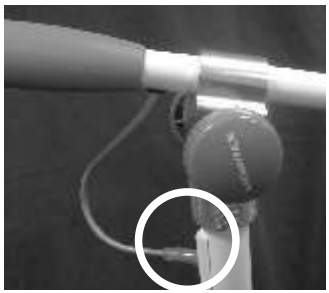
What happens if the Blue or Red LED does not work?

Possible Cause: BR800 Blue LED are connected in serial manner. Blue LEDs are connected together, and Red LED is connected individually. If one of the Blue LED does not work, all four will cease function, while the Red LED remain functioning individually.

Solution: Please send BR800 back to the supplier for repair.

What happens if none of the LED work?

Possible Cause 1:
The connection between the light unit and the display panel might be off. Please check for their connection status as ref to pictures below .



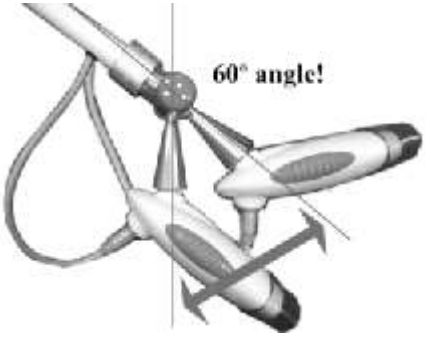
Possible Cause 2:
The connection between the light unit and the pentagular Pentagular Mobile Cart cart might be off. Please check their connection status as shown on the right picture.

Possible Cause 3:
The power is off, please connect the plug back to the wall power socket, or make sure that the electricity is coming out of the socket before plugging in.

Possible Cause 4:
If the cause 3 does not fit to the scenario, a doubt of the built-in adaptor is broken. Please send the unit back to your local dealer for repair.

2. Why can I not fix the adjusted angle of the light unit?

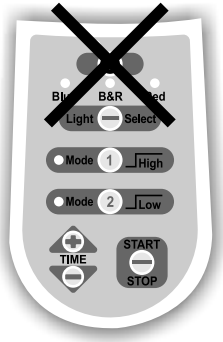
Important:
The active angle suitable for the weight of our light unit is 60º vertical angle (see right pic.).
Please maintain the working angle within this range.



Possible Cause 1:
There are two knobs on each side of the lamp unit. Only 1 of either knob is needed to be secured to enable the locking mechanism to work. If both knobs are secured, the locking mechanism will fail.

Possible Cause 2:
If the root cause of above can not be determined please send the unit back to your nearest local dealer for re-adjustment. Thank you.

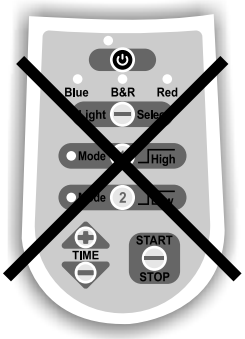
3. Why can I not operate the lamp when pressing the power button?



Possible Cause: If the power cord has plugged into the Wall Plug, but the Power button does still not turn to green indicator (stand by mode) please check for the power of the wall plug and replug the Display Panel.

If the power plug in the wall is normal, please send the unit back to your nearest dealer for examination.

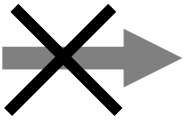
4. Why is that my Display Panel or the buttons do not work?



Possible Cause:
If by checking after all connection, and plugging in to the Wall Plug, the display panel still does not function, please check for the power of the wall plug and replug the Display Panel.

If the wall plug is normal, please send the unit back to your nearest dealer for examination.

5. Unable to ultilize Pentagular Push Cart freely !



Please check if the Lock Switch are all released & the handle lifting upwards!

6. Abnormal Burning smell occurs.

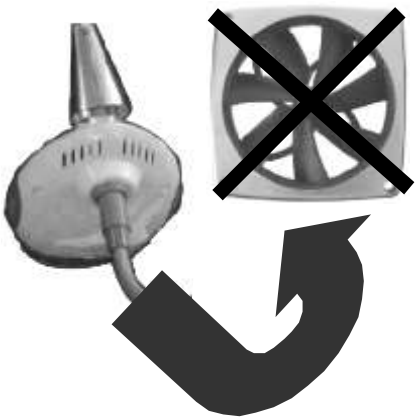
Check from where the Burning smell.

If the smell is coming from the machine. Please send back to your nearest dealer for examination. Thank you.

7. Why was my BR800 overheated within operation of less than 20 minutes?

Possible Cause:
Listen to the sound of the built-in motor fan. This fan should be normally activated when the temperature reaches 40ºC.

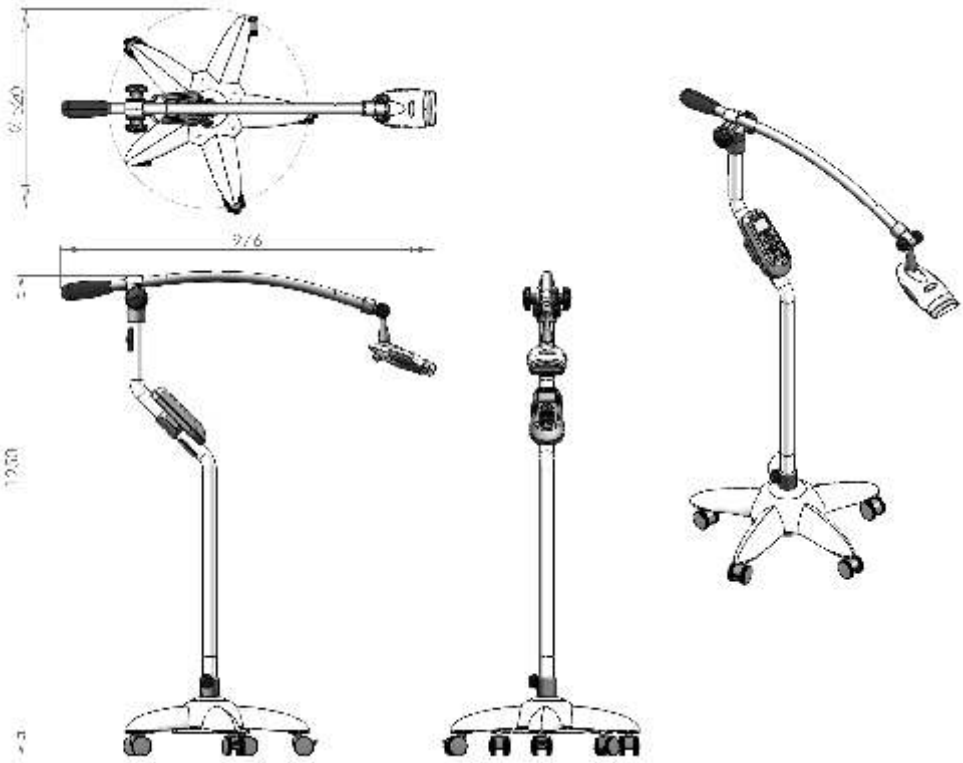
If the fan motor does not function, the thermo sensor will indicate Overheating sign to shut off BR800 for protection. Most likely to be taken within 20 minutes.



Please send the unit back to the dealer for further checking and repair.

Specification:

Light Source : 4 – 3W Blue leds & 1 – 3W Red led
Output Spectrum : 450 ~ 470 nm & 620 ~ 630 nm
Voltage : AC 100~240V 50/60HZ
Power : 19 W
Weight : 9.4 kgs net.
Dimensions on :
Total Arm Length : 960 mm
Total Height : 1245 mm



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